HW#95: Trapezoids

Honors Geometry  
Due: Wednesday March 16th, 2016

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP:\_\_\_\_\_

FAILURE TO WRITE IN COMPELTE SENTENCES OR SHOW ALL WORK WILL RESULT IN LASALLE

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| --- |
| Label all angles.  140°  50° |

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| ANGLES OF A TRAPEZOID Use what you know about the angle properties of trapezoids to solve for the missing angles. | |
| 1. Find *m*∠*F, m*∠*G,* and *m*∠*H* | 1. Find *m∠B*, *m∠C*, and *m∠D*. |
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| SPLIT INTO TRIANGLES Find the area of the trapezoid by drawing one diagonal and splitting it into two triangles. | | |
| ../../../../../Desktop/Trapezoid/Diagonal_1.png  Area = | ../../../../../Desktop/Trapezoid/Diagonal%203.png  Area = | ../../../../../Desktop/Trapezoid/Diagonal2.png  Area = |

|  |  |  |  |
| --- | --- | --- | --- |
| FIND THE AREA OF THE TRAPEZOID Use any method to solve for the area of the trapezoid. | | | |
| ../../../../../Desktop/Trapezoid/Formula1.png | ../../../../../Desktop/Trapezoid/Formula2.png | | ../../../../../Desktop/Trapezoid/Formula3.png |
| PERIMETER OF A TRAPEZOID Find the perimeter of the each trapezoid. | | | |
| ../../../../../Desktop/Trapezoid/Trapezoid_Per1.png | | ../../../../../Desktop/Trapezoid/Trapezoid_Per2.png | |
| ../../../../../Desktop/Trapezoid/Trapezoid_Perimeter.png | | ../../../../../Desktop/Trapezoid/Trapezoid_Perimeter.png | |